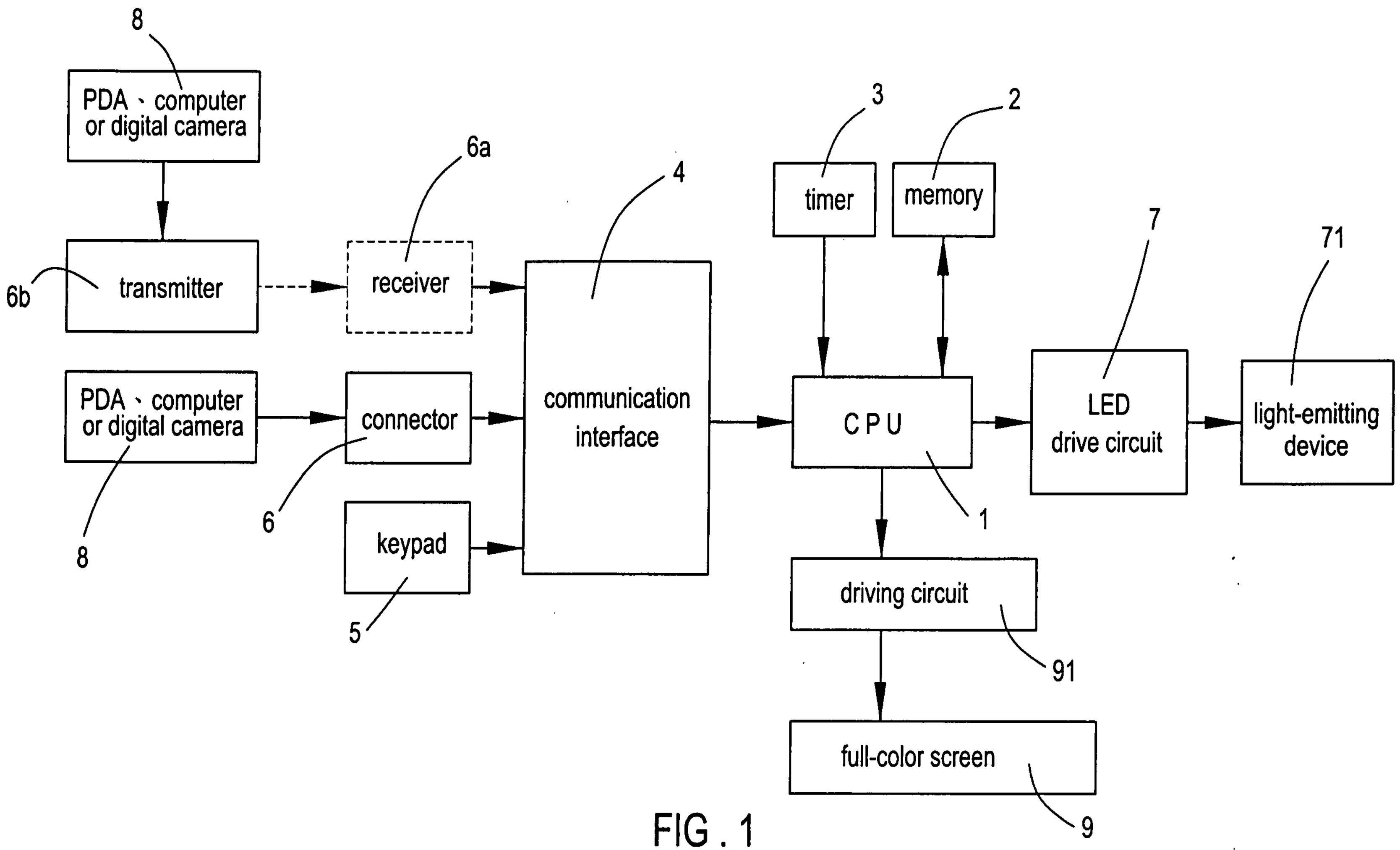
8
PDA、computer or digital camera
6b
transmitter
6a
receiver
PDA、computer or digital camera
8
connector
6
keypad
5
4
communication interface
3
timer
2
memory
C P U
1
7
LED drive circuit
71
light-emitting device
driving circuit
91
full-color screen
9

FIG. 1

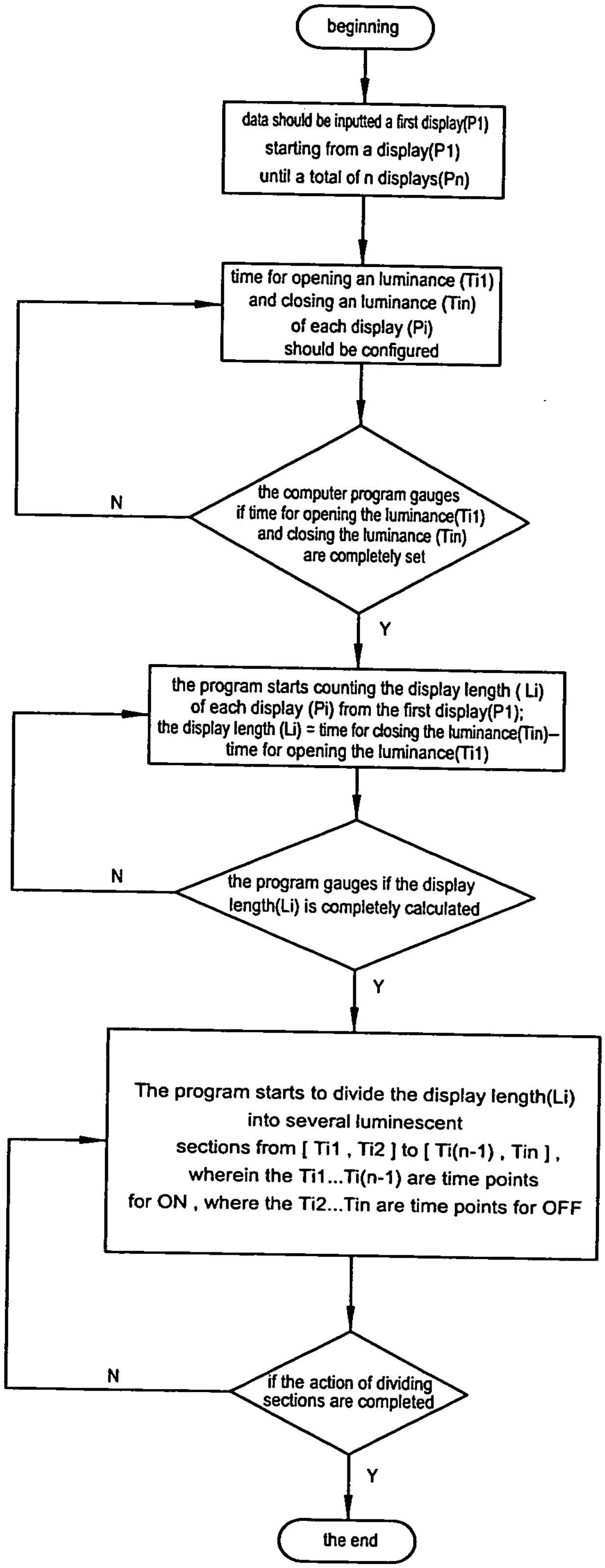
beginning
data should be inputted a first display(P1) starting from a display(P1) until a total of n displays(Pn)
time for opening an luminance (Ti1) and closing an luminance (Tin) of each display (Pi) should be configured
the computer program gauges if time for opening the luminance(Ti1) and closing the luminance (Tin) are completely set
N
Y
the program starts counting the display length (Li) of each display (Pi) from the first display(P1); the display length (Li) = time for closing the luminance(Tin)– time for opening the luminance(Ti1)
the program gauges if the display length(Li) is completely calculated
N
Y
The program starts to divide the display length(Li) into several luminescent sections from [Ti1 , Ti2] to [Ti(n-1) , Tin] , wherein the Ti1...Ti(n-1) are time points for ON , where the Ti2...Tin are time points for OFF
if the action of dividing sections are completed
N
Y
the end

FIG . 2

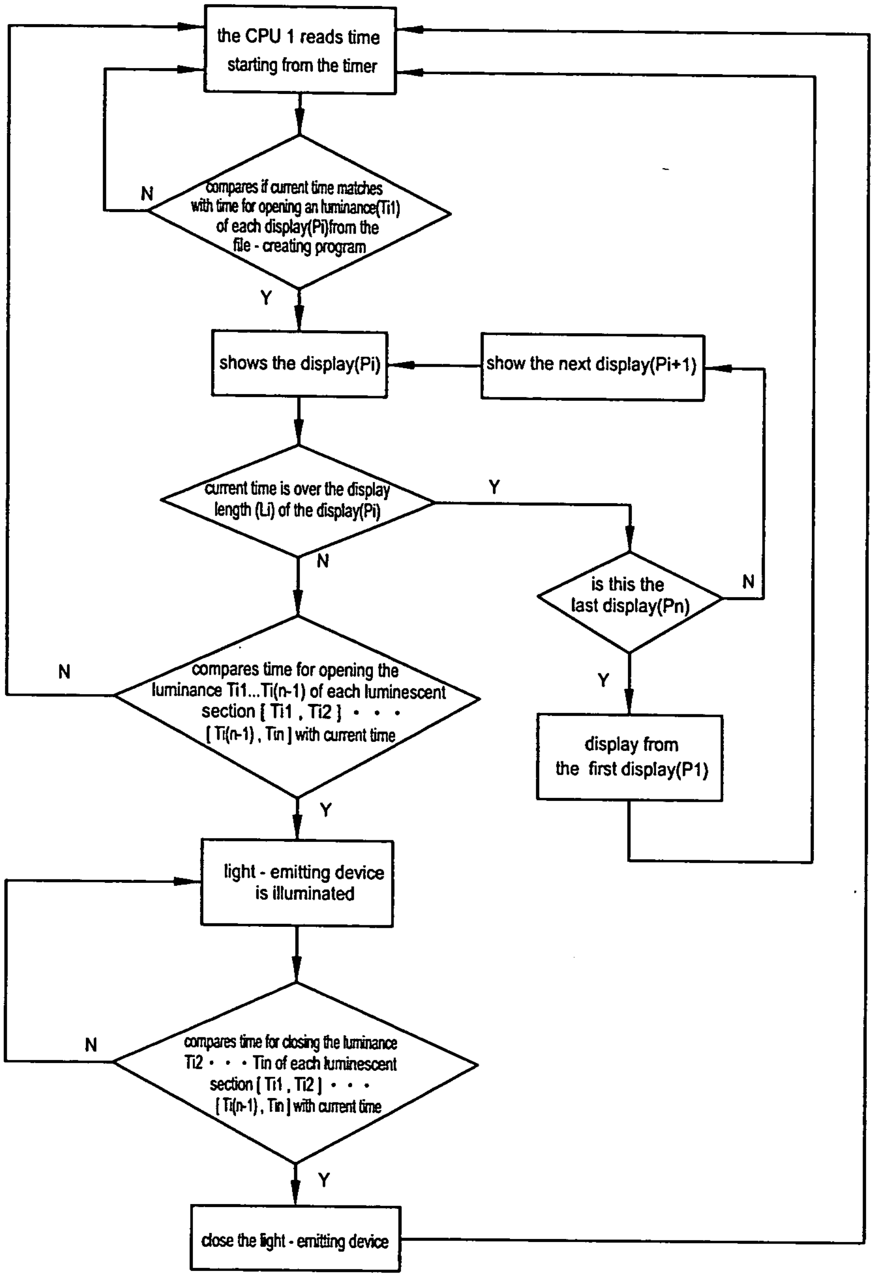
the CPU 1 reads time starting from the timer
compares if current time matches with time for opening an luminance(Ti1) of each display(Pi)from the file - creating program
N
Y
shows the display(Pi)
show the next display(Pi+1)
current time is over the display length (Li) of the display(Pi)
Y
N
is this the last display(Pn)
N
Y
display from the first display(P1)
N
compares time for opening the luminance Ti1...Ti(n-1) of each luminescent section [Ti1 , Ti2] • • • [Ti(n-1) , Tin] with current time
Y
light - emitting device is illuminated
N
compares time for closing the luminance Ti2 • • • Tin of each luminescent section [Ti1 , Ti2] • • • [Ti(n-1) , Tin] with current time
Y
close the light - emitting device

FIG . 3

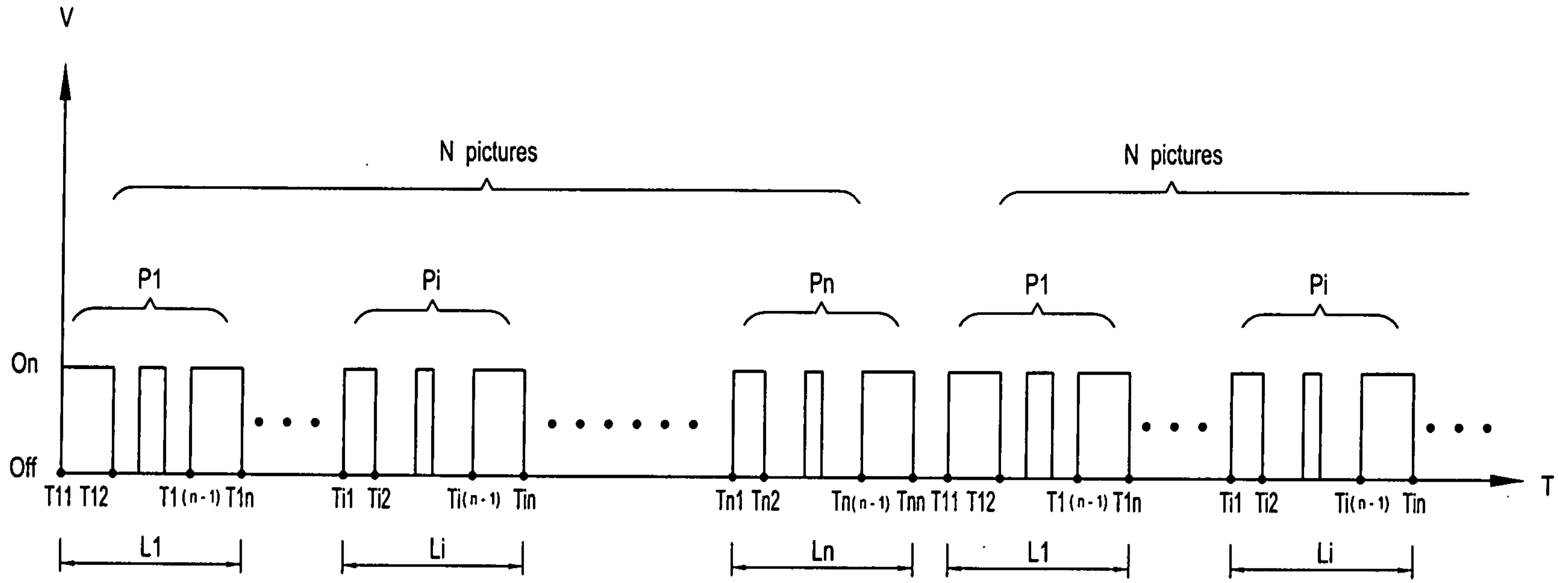
V
N pictures
N pictures
P1
Pi
Pn
P1
Pi
On
Off
T11 T12
T1(n-1) T1n
Ti1 Ti2
Ti(n-1) Tin
Tn1 Tn2
Tn(n-1) Tnn
T11 T12
T1(n-1) T1n
Ti1 Ti2
Ti(n-1) Tin
T
L1
Li
Ln
L1
Li

FIG. 4A

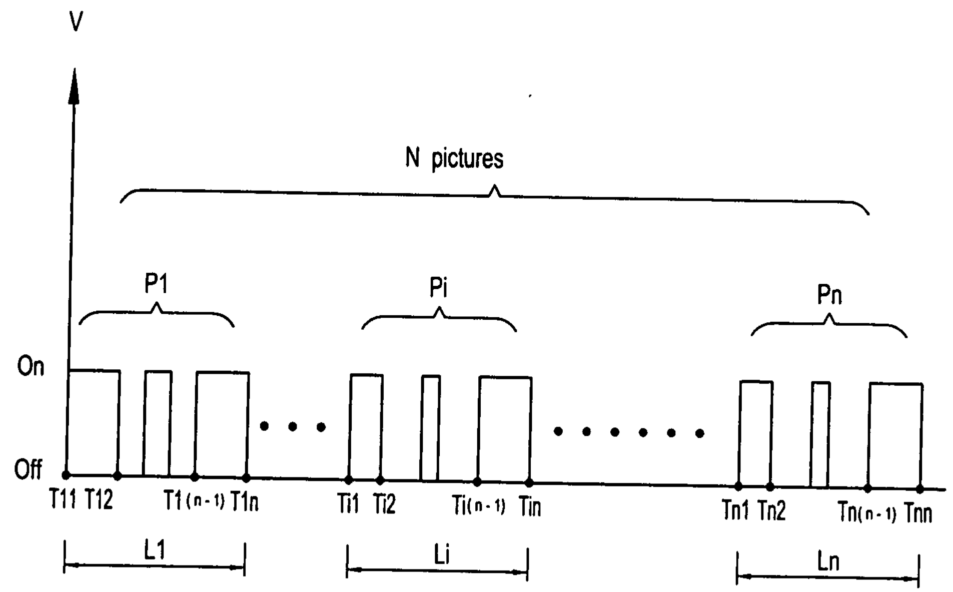
V
N pictures
P1
Pi
Pn
On
Off
T11 T12
T1(n-1) T1n
Ti1 Ti2
Ti(n-1) Tin
Tn1 Tn2
Tn(n-1) Tnn
L1
Li
Ln

FIG . 4B

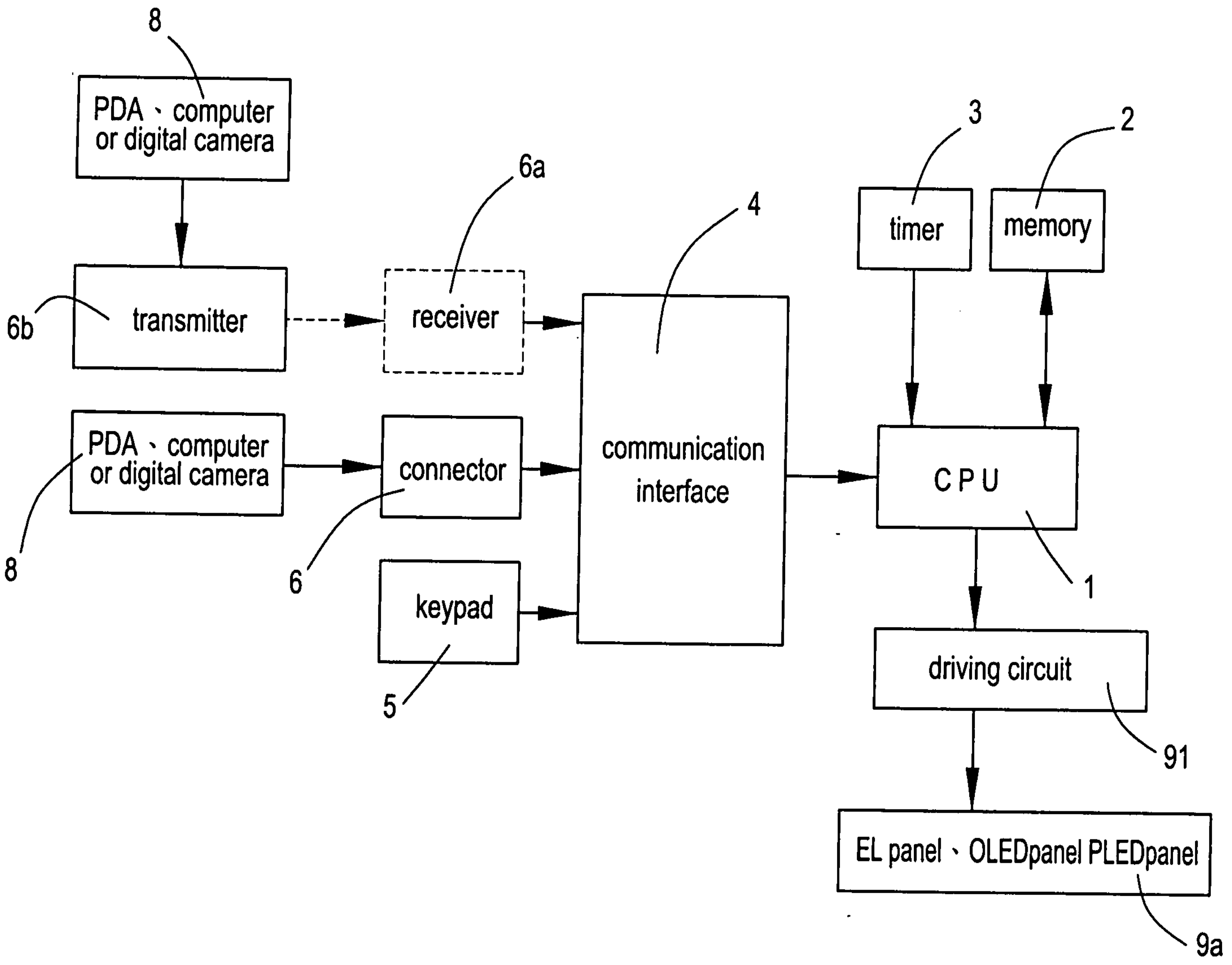
8
PDA、computer or digital camera
6a
4
3
2
timer
memory
6b
transmitter
receiver
PDA、computer or digital camera
connector
communication interface
C P U
8
6
1
keypad
5
driving circuit
91
EL panel、OLEDpanel PLEDpanel
9a

FIG . 5